

CLAIMS

1. A method for operating a hydrogen test leak unit comprising a chamber (21) defined by a membrane (22), into which chamber a test gas mixture of hydrogen and at least one added gas is introduced,

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the added gas has a permeation coefficient (P) relative to the material of the membrane (22) ranging between 50 % and 200 % of that of hydrogen.

2. The method according to claim 1, characterized in that helium, carbon dioxide or methane is selected as added gas.

3. The method according to claim 1 or 2, characterized in that the added gas is oxygen-free.

4. The method according to one of claims 1-3, characterized in that the hydrogen content of the test gas mixture is lower than 10 %.